

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF A TRAFFIC SIGNAL AT THE INTERSECTION OF US 13 (BUSINESS) AND NAYLOR MILL ROAD IN WICOMICO COUNTY.

INTERSECTION OPERATION

A SYSTEM CONTROLLER HOUSED IN A BASE MOUNTED CABINET EXIST AT THIS LOCATION. THE INTERSECTION OPERATES IN A FULLY ACTUATED MODE USING 6 NEMA PHASES. FIRE PRE-EMPTION EXISTS FOR THE NORTH AND SOUTHBOUND APPROACHES. A NEW OPTICOM DETECTOR EYE SHALL BE INSTALLED ON THE MAST ARM FOR FIRE PRE-EMPTION FOR THE EASTBOUND APPROACH FOR THIS INTERSECTION.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. GENE COFIELL, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 677-4040
MS. RAVINDRA GANVIR, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (410) 677-4020
MR. JAMES R. WRIGHT, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 677-4010
MR. BRUCE POOLE, UTILITY ENGINEER
PHONE: (410) 677-4082
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MSHA STANDARD PLATES FOR TRAFFIC CONTROL.

EQUIPMENT LIST

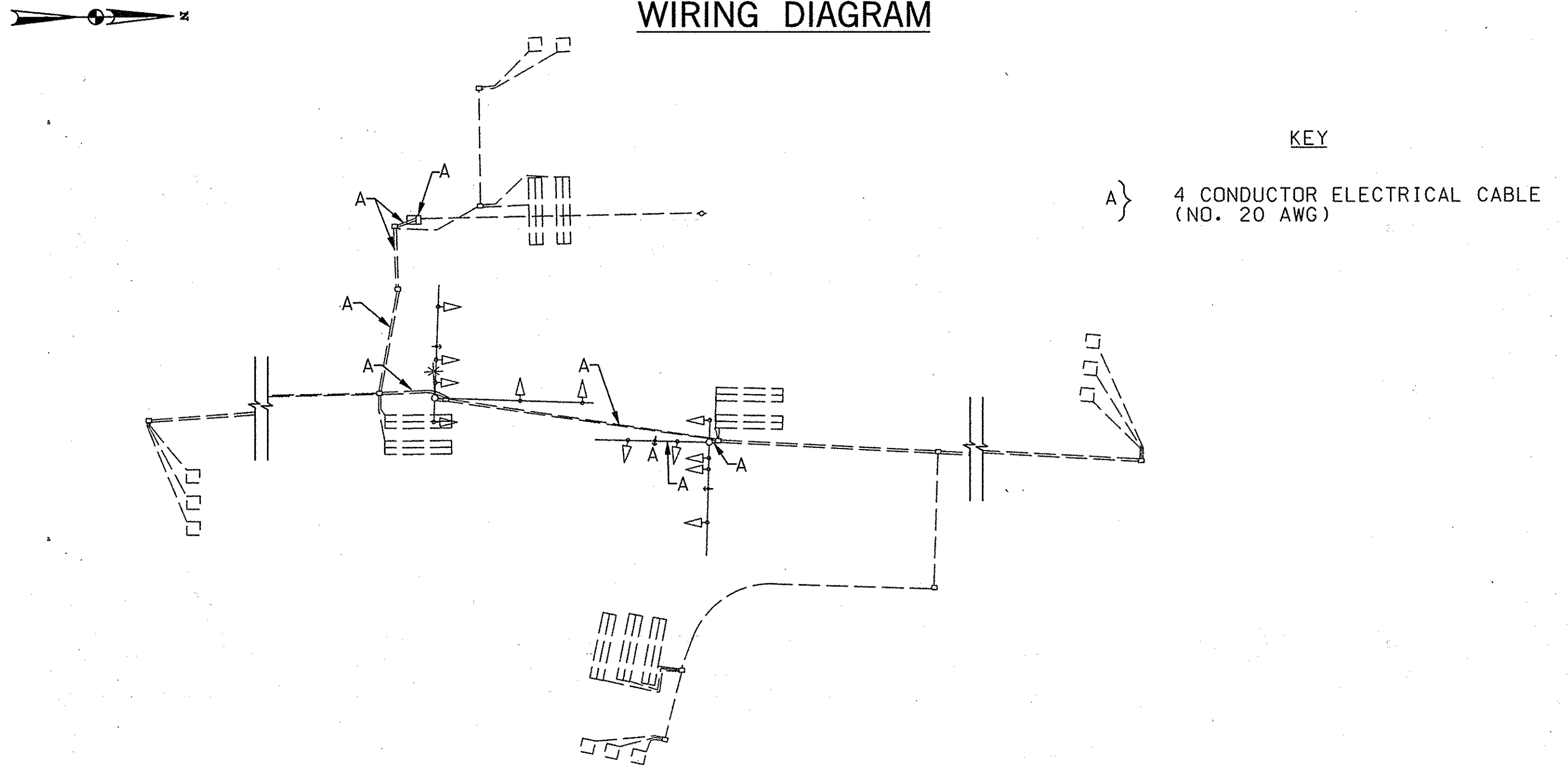
A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
	NONE		

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
8021	ELECTRICAL CABLE - 4 CONDUCTOR (NO. 20 AWG)	LF	315
8048	OPTICOM 721 DETECTOR EYE	EA	1

WIRING DIAGRAM




PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	
	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	
PHASE 1 AND 5	←G←	←G←	G	G	←R←	←R←	R	R	R	R	R	R	→
1 CHANGE	←Y←	←Y←	G	G	←R←	←R←	R	R	R	R	R	R	→
PHASE 2 AND 5	←R←	←R←	G	G	←R←	←R←	G	G	R	R	R	R	←
5 CHANGE	←R←	←R←	Y	Y	←R←	←R←	G	G	R	R	R	R	→
PHASE 2 AND 6	←R←	←R←	R	R	←G←	←G←	G	G	R	R	R	R	←
2 AND 6 CHANGE	←R←	←R←	R	R	←Y←	←Y←	Y	Y	R	R	R	R	→
PHASE 3	←R←	←R←	R	R	←R←	←R←	R	R	R	R	←G←	G	↑
3 CHANGE	←R←	←R←	R	R	←R←	←R←	R	R	R	R	Y	Y	↑
PHASE 4	←R←	←R←	R	R	←R←	←R←	R	R	←G←	G	R	R	↓
4 CHANGE	←R←	←R←	R	R	←R←	←R←	R	R	Y	Y	R	R	↓
FLASHING OPERATION	←FL/R←	←FL/R←	FL/Y	FL/Y	←FL/R←	←FL/R←	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	↕

FIREHOUSE PRE-EMPTION PHASE

PRE-EMP PHASE 2	←R←	←R←	G	G	←R←	←R←	G	G	R	R	R	R	←
2 CHANGE	←R←	←R←	G	G	←R←	←R←	G	G	R	R	R	R	→
PHASE 2 AND 6	←R←	←R←	G	G	←R←	←R←	G	G	R	R	R	R	→
PRE-EMP PHASE 5	←R←	←R←	G	G	←R←	←R←	G	G	R	R	R	R	←
5 CHANGE	←R←	←R←	G	G	←R←	←R←	G	G	R	R	R	R	→
PHASE 2 AND 6	←R←	←R←	G	G	←R←	←R←	G	G	R	R	R	R	→
PRE-EMP PHASE 3	←R←	←R←	R	R	←R←	←R←	R	R	R	R	←G←	G	↕
3 CHANGE	←R←	←R←	R	R	←R←	←R←	R	R	R	R	Y	Y	↕
PHASE 2 AND 6	←R←	←R←	G	G	←R←	←R←	G	G	R	R	R	R	→

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SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
**US 13 (OCEAN HIGHWAY) AND
NAYLOR MILL ROAD**
SALISBURY, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 06/2007 CONTRACT NO. AT9335185

DESIGNED BY S. SMITH COUNTY WICOMICO
DRAWN BY S. SMITH LOGMILE 220+312.65
CHECKED BY J. WEAVER T.I.M.S. NO. 1157
F.A.P. NO. NA TOD NO.

TS NO. 1506G DRAWING 2 OF 2 SHEET NO. OF